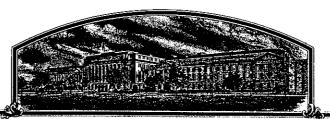
No.



8700186

AHIR MAINIED SHAMES OF AMERICA

TO ALL TO VHOM THESE PRESENTS SHALL COME;

AMG Agriseed/Tainio Technology & Technique

Tothereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S), AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF LIGHTON YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC, REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXPECTION OF THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. INITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS F CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BARLEY

'Camelot'

In Estimon Watercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D. C. this 30th day of September in the year of our Lord one thousand nine hundred and ninety-one.

Kernettb Kloans
Commissioner
Plant Variety Protection Office
Assirollinal Marketina Consiss

Gold, Silledig an

U.S. DEPARTMENT OF AGRICULTURE				FORM APPROVED: OMB NO. 0581-0055		
AGRICULTURAL MARKETING SERVICE			if a	Application is required in order to determine if a plant variety protection certificate is to		
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions on reverse)				be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).		
1. NAME OF APPLICANT(S)		2. TEMPORARY DESIGNAT	ION 3. 1	VARIETY NAME		
MMG AGRISEED		MMG 731-1		CAMELOT		
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Plant Breeding & Research Centre		5. PHONE (Include area code,		FOR OFFICIAL USE ONLY PO NUMBER		
Docking, King's Lynn, Norfolk PE31 8 LS United Kingdom		(04858) 501		8700186		
6. GENUS AND SPECIES NAME	7. FAMILY NA	ME (Botanical)		DATE		
Hordeum vulgare L.	Graminea	le .		TIME J. DO DAM WEM.		
8. KIND NAME	L	A A TE OF DETERMINATION		AMOUNT FOR FILING		
	9.	DATE OF DETERMINATION		10.00		
Spring barley		December, 1982	RECEIVED	August 3, 1987		
10. IF THE APPLICANT NAMED IS NOT A "PERSO partnership, association, etc.)	N," GIVE FORM	OF ORGANIZATION (Corpor	ation, &			
Commercial Seed Company				DATE August 21, 1991		
11. IF INCORPORATED, GIVE STATE OF INCORPORT	DRATION		12.	DATE OF INCORPORATION		
Cheney, WA 99004, U.S.A. 14. CHECK APPROPRIATE BOX FOR EACH ATTA a. Exhibit A, Origin and Breeding History of b. Exhibit B, Novelty Statement. c. Exhibit C, Objective Description of Varie d. Exhibit D, Additional Description of Varie e. Exhibit E, Statement of the Basis of Appl 15. DOES THE APPLICANT(S) SPECIFY THAT SEE SEED? (See Section 83(a) of the Plant Variety Pro- 16. DOES THE APPLICANT(S) SPECIFY THAT THE LIMITED AS TO NUMBER OF GENERATIONS?	the Variety (See ty (Request form ety, icant's Ownership D OF THIS VARI otection Act,)	Section 52 of the Plant Variety from Plant Variety Protection o. ETY BE SOLD BY VARIETY Yes (If "Yes," an	Office.) NAME ONI swer items	on Act.)		
Yes No 18. DID THE APPLICANT(S) PREVIOUSLY FILE				Registered X Certified		
DID THE APPEICANT(S) PREVIOUSLY FILE	FOR PROTECT	ON OF THE VARIETY IN TH	ne v.s. r	Yes (If "Yes," give date)		
			□ No			
19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE United Kingdom - 19th December 1983 West Germany - 31st December 1984 Spain - 31st July 1986				Yes (If "Yes," give names of countries and dates) No		
20. The applicant(s) declare(s) that a viable sample plenished upon request in accordance with st			ished witl	n the application and will be re-		
The undersigned applicant(s) is (are) the own distinct, uniform, and stable as required in S Variety Protection Act.	ner(s) of this sex ection 41, and is	cually reproduced novel plans s entitled to protection und	er the pro	visions of Section 42 of the Plant		
Applicant(s) is (are) informed that false repr	esentation herei	n can jeopardize protection	and resul	t in penalties.		
00-3	Lucere	<i>6</i> .		t in penalties. DATE Septembel 198 DATE 9/9/87		
Douglas P. Ruddick, Chief Exe	cutive, M	MG AGRISEED		DATE ,		
Bruce Tainio, President, Tainio Technology & Technique, Inc.			9/9/87			
	TC:::::\	roal a recilitation.	411V 8			

FORM LS-470 Edition of 7-84 obsolete.

Origin and Breeding History of the Variety

CAMELOT was selected from the cross:-

Fl HD727 x Aramir

The cross was made in 1973. The F1 was grown overwinter. The F2 was selected on a single plant basis. F2 ear progenies (F3 seed) were grown in the Canary Islands. Ears were sent back and F4 ear rows were grown in the U.K. Selection then followed the pedigree method. Whilst undergoing yield trial evaluation, the variety was maintained by Ear selection, ear progeny row selection and ear row progeny plot selection. True to type ear row progeny plots were bulked to produce the variety.

Multiplication

- 1. Breeders Seed bulk of true to type ear row progeny plots. Reselected ear progeny rows grown within this crop. Grown at the Plant Breeding & Research Centre. Seed produced is used for Pre-basic.
- Pre-basic crops grown at the Plant Breeding & Research Centre or on Contract seed growers' farms. Pre-basic used to produce Basic Seed.
- 3. Basic seed was grown and field inspected on Contract growers' farms.

The main area of cultivation is in West Germany. Results of official Distinctness, Uniformity and Stability tests in England, West Germany and Spain showed that CAMELOT met the required standards for the aforementioned characters.

P. R. Aldis 12th May 1987.

EXHIBIT B.

Novelty Statement

Copies of the official UK and Spanish descriptions of CAMELOT are attached as Exhibit D. These descriptions establish its unique characters.

CAMELOT resembles APEX and to some extent MENUET.

CAMELOT differs from APEX in the following characters:-

- 1. The seedlings of CAMELOT are resistant to DDT. Those of APEX are susceptable.
- 2. The ear of CAMELOT is lax to very lax whilst that of APEX is medium lax.
- 3. The ear rachis mid-third segment of CAMELOT is medium to strongly 'humped' in profile, whilst that of APEX is + straight.
- 4. Anthocyanin pigment in the lemma nerves is medium to medium strong at maturity in CAMELOT but variable from very weak to medium in APEX.
- 5. The grain skin is finely wrinkled in CAMELOT but mostly coarsely wrinkled in APEX.

CAMELOT differs from MENUET in the following characters:-

- At tillering pigmentation in the lower leaf sheaths is strong in CAMELOT but weak in MENUET.
- At earing flag leaf auricle pigmentation is strong in CAMELOT and medium in MENUET.
- 3. After earing the neck length is absent to short in CAMELOT, but medium in MENUET.
- 4. The mid-third rachis segment of the ear is medium to strongly 'humped' in CAMELOT but only weakly so in MENUET.
- 5. Spicules are <u>absent</u> from both the inner and outer lateral nerves of the <u>lemma</u> in CAMELOT but <u>present</u> on both in MENUET.

P. R. Aldis 12th May 1987.

8700186

EXHIBIT B. (continued)

Furthermore, CAMELOT is unique compared to all other varieties of barley in that it is the only variety which combines genetic characteristics of the HD 727 cultivar, and ARAMIR (see EXHIBIT A).

- 1. Morphologically; CAMELOT is unique to ARAMIR which is the closest in morphology (since it is one of the parents) because the lodicules are shorter, than in ARAMIR.
- 2. Chemical resistance; CAMELOT is resistant to DDT whereas ARAMIR is not.
- 3. Disease resistance; CAMELOT is not only resistant to powdery mildew due to the genetic combination of Mlg + Mla, or Mla, + Mlv, either of which are possible as a result of the cross HD 727 x ARAMIR, but it is also resistant to Rhyncosporium, this factor from Magnif 105 in the HD 727 parentage (see attached).

NO OTHER BARLEY VARIETY IN EXISTENCE POSSESSES these resistant factors, from these sources, uniquely combined in the morphological form of CAMELOT, due to the uniqueness of the particular and intentional hybridization of HD 727 x ARAMIR from which it is descended.

6.4 RESISTANCE TO DISEASES AND PESTS

6.4.1. Seedling resistance, so far as is known

	Details of Resistance Factors or Races			
Mildew (Erysighe graminis)	Mlg + Mla ₁₂ or Mla ₉ + Mlv is possible			
Yellow rust (Puccinia striiformis)	Susceptible			
Brown rust (Puccinia hordei)* (Kusakakakakakakakakakakakakakakakakakakak	Susceptible			
kyespot (Pseudocercosporella herpotrichoides)				
Other (State disease)	Rhynchosporium : R. factor from Magnif 105 in HD 727			

^{*} delete as appropriate for wheat or barley

6.4.2. Adult plant resistance. Details and comparison with control varieties on 0-9 scale (9 = high resistance)

Number and Type of Trials		Name of	Score 0 - 9		
		Control	Control	Candidate	
Mildew	1981 Yield trials and observation plots	GOLDMARKER SUNDANCE TRILIMPH	5	7 7 7	
Yellow rust	ditto	GOLDMARKER SUNDANCE TRIUMPH	7 6	<u>4</u>	
Brown rust	ditto	GOLDMARKER SUNDANCE TRIUMPH	4 6	6 6	
Septoria nodorum					
Rhynchosporium secalis	ditto	GOLDMARKER SUNDANCE TRILIMPH	5 5 5	7 7 7	
Eyespot					
Other (state disease)					
Pest (state pest eg nematode)					

EXHIBIT C
(Barley)

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

INSTRUCTIONS: See Reverse. BARLEY (HORDEUM VULGARE)	FOR OFFICIAL USE ONLY
MMG AGRISEED	PVPO NUMBER
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	8700186
Docking, King's Lynn, Norfolk PE31 8LS, United Kingdom	CAMELOT
Place the appropriate number that describes the varietal character of this variety in the	
Place a zero in first box (i.e. 0 8 9 or 0 9) when number is either 99 or less or 1. GROWTH HABIT:	y or less.
	1 - PROSTRATE 2 - SEMIPROSTRATE 3 - ERECT 4 - semi erect intermed
2. MATURITY (50% Flowering):	
1 = EARLY (California Mariout) 2 = MIDSEASON (Betzes) 3 = LATE (Frontier)	
No. of days Earlier than	3 = CONQUEST 4 = DICKSON
No. of days Later than	
3, PLANT HEIGHT (From soil level to top of head):	•
1 = SEMIDWARF 2 = SHORT (California Mariout) 3 = MEDIUM TALL (Betzes)	4 = TALL (Conquest)
Cm. Shorter than	3 = CONQUEST 4 = DICKSON
Cm. Taller than	
4. STEM: 1 = 0 - 3 cm, 2 = 3 - 10 cm,	
Exertion (Flag to spike at maturity): 3 = 10 - 15 cm.	1 = ABSENT 2 = PRESENT
NO. OF NODES (Originating from node above ground)	
platform 1 = CLOSED 2 = V-SHAPED 3 = OPEN Shape of Neck:	1 = STRAIGHT 2 = SNAKY 3 = OTHER (Specify)
5. LEAF:	
Basal leaf sheath (seedling): 1 = GLABROUS 2 = PUBESCENT 3 Position of flag le	1 = DROOPING eaf (at boot stage): 2 = UPRIGHT
3 Waxiness: 1 = ABSENT (Glossy) 2 = SLIGHTLY WAXY MM, WIDTH	3=intermediate (First leaf below flag leaf)
3 = WAXY CM. LENGTH (First leaf below flag leaf) 2 Anthocyanin in le	af sheath: 1 = ABSENT 2 = PRESENT
, HEAD:	
	= LAX 2 = ERECT (Not dense) = ERECT (Dense)
	- ABSENT (Glossy) 2 - SLIGHTLY WAXY - WAXY
Lateral Kernels Overlap: 1 = NONE 2 = AT TIP 3 = 1/4 - 1/2 OF HEAD Rachis (Hair on each)	dge): 1 = LACKING 2 = FEW 3 = COVERED
7. GLUME: 1 = 1/3 OF LEMMA 2 = 1/2 OF LEMMA 3 = MORE THAN 1/2 OF LEMMA 3 Hairs: 1 = NON	NE 2 = SHORT 3 = LONG
Hair covering: 1 = NONE 2 = RESTRICTED TO MIDDLE 3 = CONFINED TO BA	AND 4 = COMPLETELY COVERED
2 Awns: 1 = LESS THAN EQUAL TO LENGTH OF GLUMES 2 = EQUAL TO LENGT 3 = MORE THAN EQUAL TO LENGTH OF GLUMES	H OF GLUMES
3 Awn Surface: 1 = SMOOTH 2 = SEMISMOOTH 3 = ROUGH	

	the state of the s	and the second of the second of the second	
8. LEMMA:	MANUE EGG. O - ANAMA ETG CAL GENERAL - CO		
5 Awn: 3=S	WNLESS 2 = AWNLETS ON CENTRAL RO HORT ON CENTRAL ROWS, AWNLETS ON L ONG (longer than spike) 6 = HOODED		AL ROWS ORT (less than equal to length of spike)
3 Awn Surface: 0	# AWNLESS 1 # SMOOTH 2 # SEMISM	MOOTH 3 = ROUGH	e estali
Teeth: 1 = ABS	EENT 2 = FEW 3 = NUMEROUS	1 Hair: 1 = ABSE	NT 2 = PRESENT
1 Shape of base:	= DEPRESSION 2 = SLIGHT CREASE 2	Rachilla Hairs:	= SHORT 2 = LONG
9. STIGMA:	A STATE OF THE STA		
Hairs: 1 = FEW	/ 2 = MANY	異型に Managaran Asia	
10. SEED:			
2 Type: 1 = NA	KED 2 = COVERED	Hairs on Ventral Fu	arrow: 1 = ABSENT 2 = PRESENT
	IORT (8.0 mm.) 2 = SHORT TO MIDLONG IDLONG TO LONG (9.0 - 10.5 mm.)		DLONG (8.5 - 9.5 mm.) NG (10.0 mm.)
2 Wrinkling of hull	1 = NAKED 2 = SLIGHTLY WRINKLES	3 = SEMIWRINKLED	4 = WRINKLED
Aleurone Color:	1 = COLORLESS (White or Yellow) 2 = B	LUE	
PERCENT A	BORTIVE	GMS, PER 100	00 SEEDS
11. DISEASE: {0 = Not	Tested, 1 = Susceptible, 2 = Resistant)		
0 SEPTORIA	0 NET BLOTCH	0 SPOT BLOTCH	2 POWDERY MILDEW
LOOSE SMUT	0 BACTERIAL BLIGHT	1 COVERED SMUT	0 FALSE LOOSE SMUT
0 STEM RUST	1 LEAF RUST	1 SCAB	2 SCALD
0 AY	0 BSMV	1 BYDV	OTHER (Specify)
12. INSECT: (0 = Not te	sted, 1 = Susceptible, 2 = Resistant)		
0 GREEN BUG	0 ENGLISH GRAIN APHID	0 CHINCH BUG	ARMYWORM
0 GRASS HOPPERS	0 CERIAL LEAF BETTLE	OTHER (Specify)	
HESSIAN FLY RA	ACES O GP O A	0 B 0 C	
	0 D 0 E	0 F C G	
13. CHEMICAL (0 = Not	Tested, 1 = Susceptible, 2 = Resistant)		
2 DDT	OTHER (Specify)		
14. INDICATE WHICH V	ARIETY MOST CLOSELY RESEMBLES THAT	T SUBMITTED:	
CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	- Sansa	Seed size	
Leaf size		Coleoptile elongation	·
Leaf color *		Seedling pigmentation	
Leaf carriage		<u> </u>	
terms u 1. Wiel in 1	owing publications may be used as a refersed in this form: be, G. A., and D. A. Reid, 1961, Classificat 958, Technical Bulletin No. 1224, U.S. De l. D. A., and G. A. Wiebe, 1968, Barley: (tion of Barley Varieties C pt. of Agriculture.	Grown in the United States and Canada

2. Reig, D. A., and G. A. Wiebe, 1968, Barley: Origin, Botany, Culture, Winter Hardiness, Genetics Pests, Agriculture Handbook No. 338, U.S. Dept. of Agriculture. pp. 61 - 84.

3. Malting Barley Improvement Association, Milwaukee, Wisconsin, 1971, Barley Variety Dictionary COLOR: Nickerson's or any recognized color fan may be used to determine color of the described variety.

FORM LPGS-470-5 (8-80) (REVERSE)

8700186

U.K. DESCRIPTION

Exhibit D.

SPRING BARLEY

CAMELOT

Origin

HD 727 x Aramir

Breeder

M.M.G. Agriseed, Plant Breeding & Research

Centre, Docking, Norfolk, PE31 8LS.

Breeder's Designation MMG 731-1

Ear

General

- Two-row, narrow, parellel, length medium to medium-long, density lax to medium-lax; sterile spiklets divergent, length medium, rounded at tips, awns rough, longer than ear.

Collar

- Platform

Rachis

- First segment, variable medium to long, width medium, strongly curved or angular, margin hairs absent to sparse. Segments in mid-third medium to strongly 'humped' in profile.

Grain

General

- Medium size, oval, skin finely wrinkled, anthocyanin pigment in lemma nerves at maturity medium to medium-strong.

Base of Lemma

Rachilla

- Bevelled - Length medium to medium-long occ. long; hair type long; hairs at apex short.

Spicules

- Absent from inner and outer lateral nerves.

Ventral Furrow

- Glabrous

Lodicules

- Collar type, short to intermediate.

Field Characters

At tillering, habit of growth semi-erect to intermediate; leaf length and width medium; leaf sheaths glabrous, pigment

At shooting, leaf attitude erect to semi-erect.

At earing, flag leaf length short-medium to medium, width medium, attitude semi-erect to horizontal, auricle pigment strong.

After earing, sheath and culm glaucosity medium-strong, ear glaucosity medium; awn tip pigment medium-strong; neck length absent to short.

At maturity, ear drooping. Reaction to DDT - Resistant.



MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION INSTITUTO NACIONAL DE SEMILLAS Y PLANTAS DE VIVERO

TITULO DE OBTENCION VEGETAL

77		4	•	•	
$H\mathfrak{C}$	becie:	CEBADA			
	DUUIU				

Variedad: CAMELOT



MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION

TITULO DE OBTENCION VEGETAL

El Ministro de Agricultura, Pesca y Alimentación:

De acuerdo con la Ley 12/1975, de 12 de marzo, sobre Protección de
Obtenciones Vegetales y a propuesta de la Comisión de Protección de Obtenciones
Vegetales elevada a través de la Junta Central del Instituto Nacional de Semillas
y Plantas de Vivero, y vista la solicitud del Título de Obtención Vegetal
con n.º de registro 820736, presentada por The MILN MARSTERS GROUP L
el día 27 de Agosto 82 a las 12,45 boras
correspondiente a una variedad de Cebada obtenida por
THE MILN MARSTERS GROUP Ltd.
Ha decidido conceder al solicitante el Título de Obtención Vegetal
número 396 , para la citada variedad que se denominará
CAMELOT
a quien se le otorgan los derechos que la referida Ley le confiere desde el día 31-7-86 hasta el día 31-7- 2002
En cumplimiento de lo dispuesto, se emite el presente Título en
Madrid a <u>31</u> de <u>Julio</u> de 19 86
THEATTH A CRE 19 80
M. EL DIRECTOR DEL INSTITUTO NACIONAL DE
SEMILLAS Y PLANTAS DE VIVERO
Milas y Pantas 7
de Vivero

Fdo.: Jesús Fdez, de Bobadilla SECRETARIO GENERAL

VELLOSIDAD VAIRA INF. PORTE PLANTA COLORACION HOJAS PITEN AUTOC. VAINAS PORTE BANDEROLA PIGH. AURICULAS INT. PIE. AUR! CULAS PRECOCIDAD PIG. ANTOC, ARISTAS INTENS, PISHENT, ARISTAS BLAUESCENCIA VAINA HOJA SUP. BLAUESCENCIA LINBO HOJAS INTENS. BLAYES, HOVAS GLAUESCENCIA ESPIGA FORMA DEL ULTIMO NUDO PRESENCIA ARISTAS LENMA PORTE ESPIGA PORTE ESPIGA NAD. COLOR ESPIGA PIB. MERVIOS LENMA INT. PIGNENT, LENNA LONGITUD CUELLO ESPISA "FORMA CUELLO ESPIBA LONSITUD ARISTAS/ESPIGA ALTURA PLANTA **NUMERO CARRERAS** DERSIDAD ESPIGA FORMA ESPIGA LONGITUD ESPIGA DIENTES NERVIAD. LAT. ARIST. LENMA PROTUBERANCIA CUELLO TIPO DE COLLAR FORMA DE COLLAR LONGITUD PRIMER SEGMENTO CURVATURA FRIKER SEGMENTO VELLOSIDAD LATERAL PRIMER SESMEN ARQUEAMIENTO SSG. 1/3 MEDIO SINUCSIDAD SEGNENT.1/3HEDIO(20) GRADO ALINEACION SEGMENT. (60) POSICION ESPIGUILLAS LONGITUD ESPIGUILLAS LONGITUD PALEA/LENNA FORMA DEL APICE LENNA COLOR RAPUILLA LONG. GLUKA+ARISTA/GRANO VELLOSIDAD GLUNA VELLOSIDAD RAQUILLA TIPO DE GRAND VELLOSIDAD SURCO VENTRAL DENTADURA NERV. CENTRAL LENMA DENTADO KERV.LAT. INTERNA LENKA DENTADO NERV.LAT.EXTERNA LENMA RETENCION PIG.ANTOC.NERV.LENMA COLOR ELEURONA DISPOSICION LODICULAS

LONGITUD LODICULAS

EPOCA DE SIENBRA

AUSENCIA WEDIO V. AZULADO PIGHENTADD SEKTERECTO PRESENCIA **FUERTE** PRESENCIA FUERTE MUY FUERTE **PRESENCIA** DEBIL A HEDIA KEDIA HORIZONTAL PRESENCIA SEKIERECTO COLEANTE V. GRISACED PRESENCIA **FUERTE** NULA: SINUDSD MAS LARGAT DDS LAXA **PARALELA** LARGA PRESENCIA AUSENCIA CERRADO **PLATAFORNA** LARGA A M.LARGA **MEDIA A FUERTE NULA A DEBIL** DEBIL : FUERTE LIG. DIVERBENTES MEDIAS KAS CORTAS REDGRDEADO BLANCA IGUAL EN BANDA PELOS LARGOS TIPO A **AUSENCIA** AUSENCIA AUSENTE PRESENTE AUSENTE

BLANÇA . LATERALES CORTAS PRIKAVERA

EXHIBIT E

"Statement of the Basis of Applicant's Ownership"

MMG AGRISEED is the owner of the variety "CAMELOT" by virtue of the fact that it was MMG AGRISEED that performed the requisite crossing and selection work as described in Exhibit A of this application. This ownership is further corroborated by reference of the U.K. and Spanish varietal descriptions as shown in Exhibit D, with registration and release in those countries, as well as West Germany, as specified in section 19 of this application.

Ownership of the variety has been maintained exclusively by MMG AGRISEED since the development of the variety as specified in Exhibit A.

Signed, Duranik.

Douglas P. Ruddick Chief Executive

MMG AGRISEED

1 September 1987.





Plant Breeding & Research Centre, Docking, King's Lynn, Norfolk PE31 8LS Telephone: Docking (04858) 501 Telex: 817478

18th May 1987

AUTHORISATION OF AGENT

I hereby authorise Bruce Tainio of Tainio Technology and Technique Incorporated of Route 2, Box 286, S.12102 Andrus Road, Cheney, W.A. 9904, U.S.A. to sign any application, notice or other document given, delivered to or served upon the United States Department of Agriculture in accordance with the application for Plant Variety Protection relating to the Spring barley variety CAMELOT.

Signed Date 18th May 1987
Address Plant Breeding and Research Centre, Docking,
King's Lynn, Norfolk, PE31 8LS, United Kingdom.

DPR/VL